



ROSEN
UNLIMITED VISION



EM-1

OWNER'S MANUAL

CONTENTS:

- 6.8" Video Display
- Mounting Instructions
- Auxiliary Input
- Wireless Remote Control

9300-0131-800 REV B



**www.
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.com**

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7 Specifications

- Power Supply: DC12V +/- 5%
- Power Supply Consumption: 100VAC-240VAC@ 1 Amp
- Input: TV/CATV NTSC system, F type connector, Composite NTSC Video/Stereo Audio.
- Output: 6.8" TFT Monitor
- Stereo speaker output 0.5W(max)
Distortion <10%@1KHZ (Volume maximum)
- Operating temperature: 0°C~ +40°C
- Storage temperature: -40°C~ +85°C
- Height: 9.25 in. (23.5 cm)
- Base Diameter: 6 in. (15.24 cm)
- Screen Case Width: 9 in. (22.9 cm)
- Screen Diagonal: 6.8 in. (17.27 cm)
- Screen Height: 4.1 in. (10.48 cm)
- Weight: 3.54 lbs.
- Tuner Module width: 17.7
- Tuner Module Height: 2.7
- Tuner Module Depth: 12.7

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6 Trouble Shooting Your EM1

This section will give a brief trouble shooting guide
Please call Rosen Technical Support at 888-883-2790 for
further information or technical support.

- **NO AUDIO -** Check volume level.

Check MUTE button.

Check volume level on AUX. input.

Check that correct interface cable is
used
- **NO VIDEO -** Check desired source is selected by
pressing the MODE button.

Check Brightness, Color and Contrast
settings.

Check AUX input

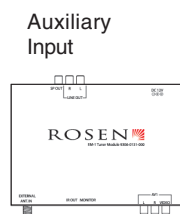
Check Cable in for proper format
(STD,IRC, or HRC)
- **NO POWER -** Check that power supply is plugged in.

Press the power button on the remote or
monitor.
- **NO REMOTE -** Check batteries

5 Using Auxiliary Sources

Your EM1 has the capability to have one auxiliary source plugged into it at a time. This may include DVD players, closed circuit TV, camcorders, video game systems and other NTSC (RCA type) inputs.

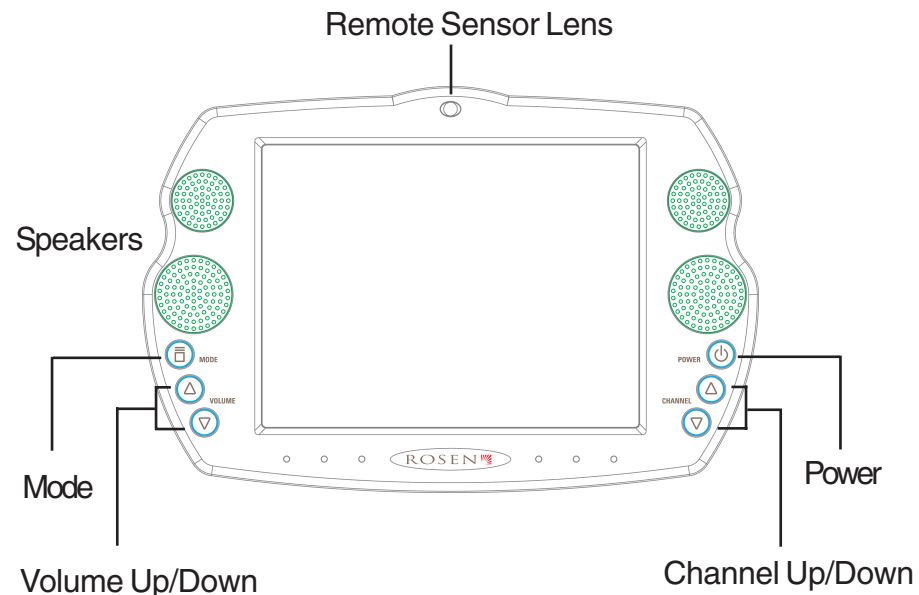
Plug in your V (video) L (left audio) and R (right audio) RCA cables into the appropriate spot on the EM1 Tuner module. Plug in your auxiliary source power supply (unless the auxiliary is supplied with battery power).



tuner module

Push the MODE button on your remote until AV is displayed in the upper right corner of the monitor. Turn power on to your input source. This should display video and audio should come from the EM1's speakers. For operation of your auxiliary source please refer to it's operation manual.

1 EM1 Quick Reference Guide



Power

- Depress the power button on either the remote control or the right side of the monitor to power the EM1 on.

Switching Channels

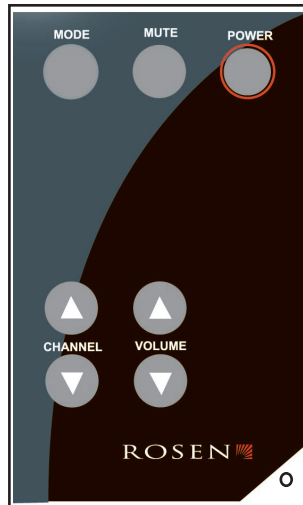
- Using either the remote control or the buttons on the right side of the monitor, switch the channels up or down as desired.

Switching Inputs

- To select the auxiliary input (AV) or cable (TV, CATV) input press the mode button on the remote or on the left side of the monitor.

1 EM1 Quick Reference Guide

User Remote controller



Part # 8324-0131-000

The User remote is used for day to day operation. It has basic functions such as:

- Volume Up and Down and Mute
- Channel Up and Down
- Power On and Off
- Mode Select

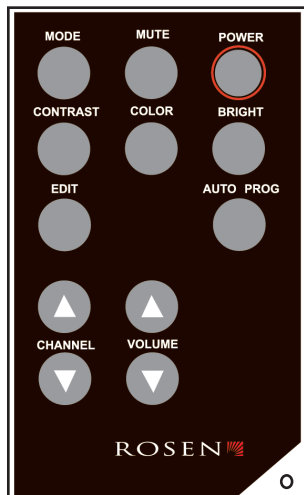
Please refer to Section 4, Using the Remote Control, for further details.

The intent of the Master remote is to set up the monitor for client use. It has all of the features of the client remote with the addition of the following controls:

- Contrast
- Color
- Bright
- Edit
- Auto Program

Please refer to, Section 4 Using the Remote Control, for further details.

Master Remote controller



Part # 8323-0131-000

4 Using the Remote Control

Master Remote Operations

The master remote has all the features of the user remote plus five set up features. These features include:

- **CONTRAST** - Contrast has a scale from 0 (lowest setting) to 16 (highest setting). The factory default is set at 8. To change the contrast push the CONTRAST button once. This will display a scale on the bottom middle of the screen. Use the VOLUME up and down arrows to select the desired setting.
- **COLOR** - The color setting has a scale from 0 (lowest setting) to 16 (highest setting). The factory default setting is at 8. To change the color, push the COLOR button once. This will display a scale on the bottom middle of the screen. Use the VOLUME up and down arrows to select the desired setting.
- **BRIGHT** - The brightness setting has a scale from 0 (lowest setting) to 16 (highest setting). The factory default setting is at 8. To change the brightness push the BRIGHT button once. This will display a scale on the bottom middle of the screen. Use the VOLUME up and down arrows to select the desired setting.
- **EDIT** - The edit button will allow you to customize your TV and CATV channel selections. To delete a channel from one of these modes, select the channel you wish to delete, push the EDIT button once, then push the EDIT button once more to confirm selection.
- **AUTO PROGRAM** - The auto program feature will automatically detect signal and select them as viewable channels in the TV and CATV mode. Pushing the AUTO PROGRAM button once will bring up the menu. You can choose between STD, IRC, and HRC cable format by using the CHANNEL up and down arrows. Once the format has been established, push the AUTO PROGRAM button once to confirm.

4 Using the Remote Control

Client Remote Operations

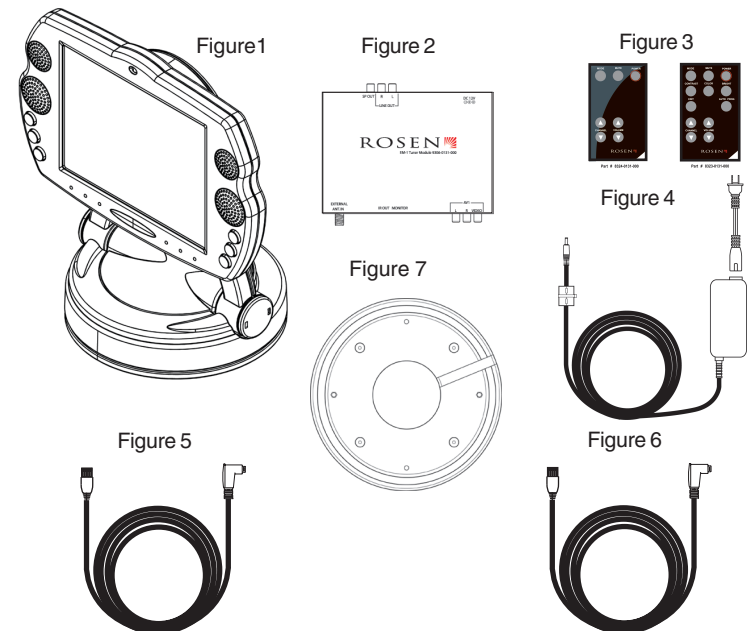
The client remote has five basic functions. These functions include:

- **MODE** - This button selects the different types of video sources. The source is indicated in the upper right-hand corner of the monitor when the button is pushed. Pushing the button more than once, will allow you to switch between CATV, AV, and TV modes.
- **MUTE** - When this button is pushed it will reduce the volume to zero and display MUTE in the upper right hand corner of the display. Pushing the button again will return the volume to the previous volume setting.
- **POWER** - This button controls the main power of your EM1. Pressing the button once will turn the power on. Pressing the button again will turn the power off.
- **CHANNEL**- The up and down arrows will navigate you through the different stations in the TV and CATV modes. The selected channels will be displayed in the upper right corner of the monitor.
- **VOLUME** - The up and down arrows will control the volume. The volume settings are from 0 (no volume) to 16 (maximum volume). Pushing the buttons once will move the volume in one step increments. Holding the buttons down will gradually increase or decrease the volume until you reach your desired level. The selected volume will be displayed at the bottom of the screen.

2 About your EM1

Your Rosen EM1 has the following components:

- Fully adjustable 6.8" LCD, Infrared remote receiver, with audio speakers. Figure 1
- Cable ready EM-1 Tuner Module with auxiliary inputs. Figure 2
- Two remote controls (one user remote and one master remote) Figure 3
- One AC power adapter. Figure 4
- One 15 foot interface cable. (For use with internal speakers) Figure 5
- One 15 foot interface cable. (For use with External speakers) Figure 6
- Hardware package (mounting screws)
- Mounting Base Plate Figure 7



3 Installing Your EM1

A. Getting Started

- Locate the desired placement of components to ensure a proper fit. Make sure the monitor has enough room for desired movement.

Warning:

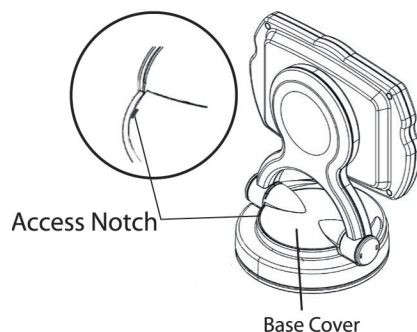
Excessive moisture and condensation will damage unit. Be sure your chosen location for the interface box and monitor are in a clean dry area.

- Ensure there is a wall plug within 4' of desired Tuner module location before mounting any components.
- The Tuner module should be mounted on a flat solid surface. Do not mount on an uneven surface. Doing so will cause damage to the unit.

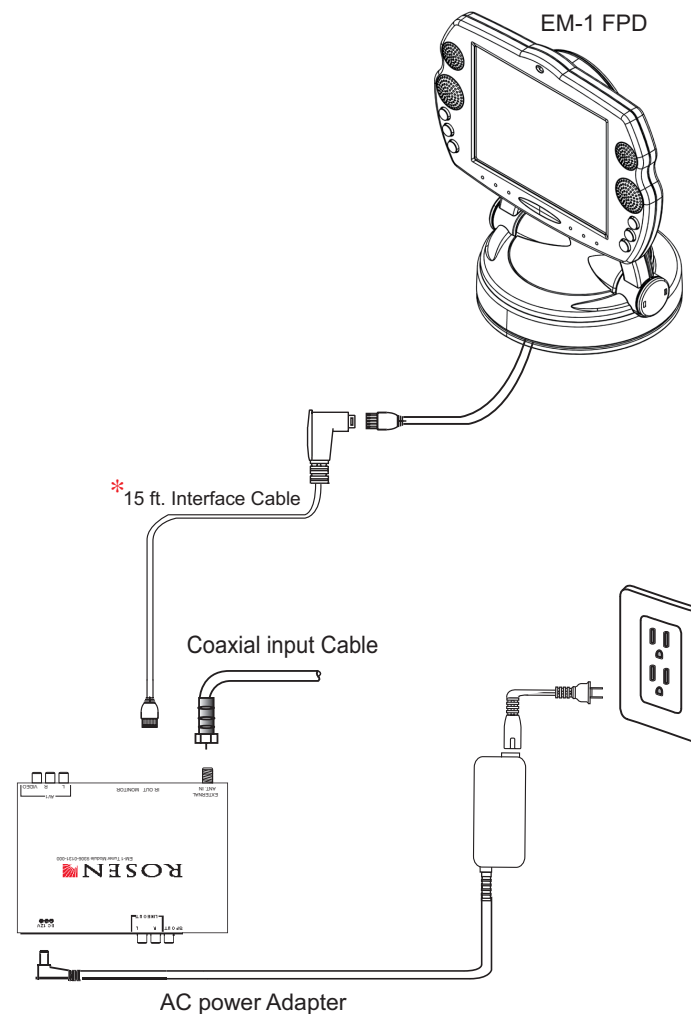
B. Mounting of Components

Table Top or Under Counter Mount

- Use a 1/8" standard flat screw driver to remove the base cover using the access notch shown below. Be careful not to scar or damage cover.



3 Installing Your EM1



* Interface Cable Notice:

Use the cable labeled with “**Internal Speakers**” to activate the Em-1 internal speakers

or

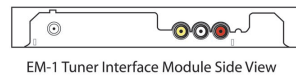
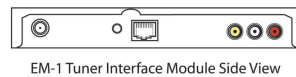
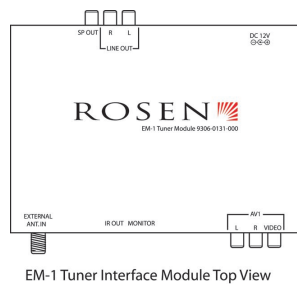
Use the cable labeled with “**External Speakers**” to deactivate the Em-1 internal speakers. This scenario would be used if external speakers were added to your EM-1 system.

3 Installing Your EM1

- Plug pigtail from monitor into interface cable in J-Box.
- Coil excess (service loop) wire in J-box and mount monitor using supplied screws.
- Replace base cover.
- Test for stability and desired range of motion.

Installing Tuner module

- Place Tuner module in desired location
(Dry Flat Place)



- Plug in Interface cable to proper location.
- Screw in cable to proper connector.
- Plug in power adapter to wall plug.
- Plug in power adapter into Tuner module.

3 Installing Your EM1

B. Mounting of Components (Cont.)

Table Top or Under Counter Mount

- Use the Mounting base plate as a template to mark mounting holes

- Mount base plate to monitor using 6-32 screws provided

Note :

Mounting plate is only used when you want to surface mount your EM1 interface cable

- Select Appropriate cable

- Route 15ft interface cable from j-box to desired Tuner module location.

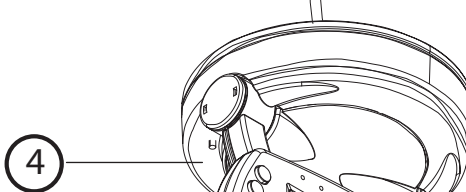
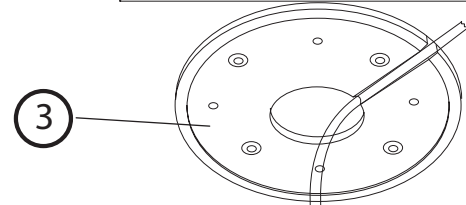
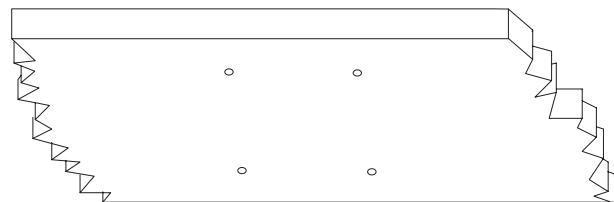
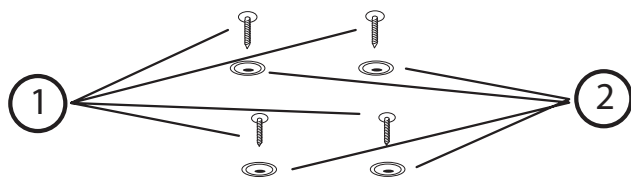
- Plug pigtail from monitor into interface cable in J-Box.

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- Replace base cover.

- Test for stability and desired range of motion.

3 Installing Your EM1



Note :
Mounting plate is
only used when
you want to
surface mount
your EM1
Interface cable

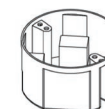
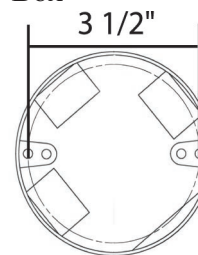
- 1.4 screws 10-32 x 1 Fhp 100 degree
- 2. # 10 washer ss 100 degree
- 3. Mounting baseplate
- 4. EM1 Main FPD Assembly

3 Installing Your EM1

C. Mounting on Wall to J-Box

- The EM1 is designed to mount in a round 3 1/2" electrical junction box (J-Box) like the one shown below.

J-Box



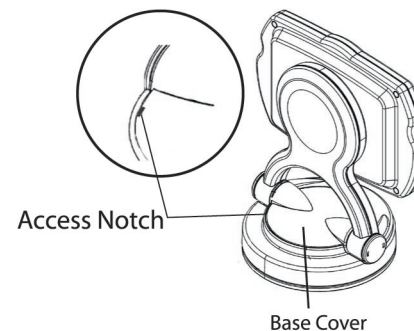
Front View

Side View

Note:

A J-box may be purchased at any local hardware store

- Make sure J-Box is secure before mounting monitor assembly.
- Route 15ft interface cable from j-box to desired Tuner module location.
- Use a 1/8" standard flat screw driver to remove the base cover using the access notch as shown below. When removing, be careful not to scar or damage cover.



Base Cover